

### 3. General Description

#### A: CAUTION

##### 1. SUPPLEMENTAL RESTRAINT SYSTEM “AIRBAG”

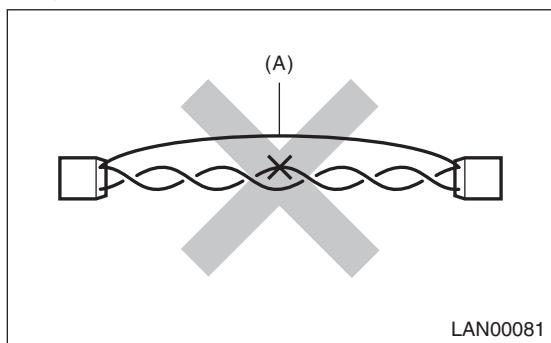
Airbag system wiring harness is routed near the body integrated unit and twisted pair line.

##### CAUTION:

- Do not use electrical test equipment on any airbag system wiring harnesses.
- Be careful not to damage the airbag system wiring harness when servicing the body integrated unit and LAN system.
- When disconnecting the airbag system connectors, refer to the cautions regarding the airbag system. <Ref. to AB-4, CAUTION, General Description.>

##### 2. LAN SYSTEM

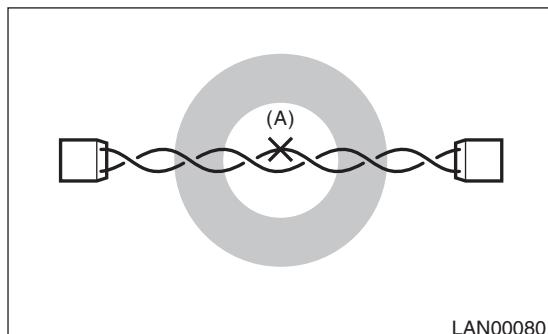
- Bus line of LAN system is twisted pair line. Be careful not to bypass or partly unbind the twisted pair line.
- Do not make clearance between bus lines (CAN High, CAN Low).
- Difference of bus line length should be within 10 cm (3.94 in).
- Fray near the connector should be within 8 cm (3.14 in).



(A) Bypass wire connection

- If the characteristics of the twisted pair line are changed, it may extremely weaken against noise.

- When repairing the harness, connect the wires using soldering and protect it with insulating tape etc.



LAN00080

(A) Soldering and protection with insulating tape

#### B: INSPECTION

Before performing diagnostics, check the following item which might affect body integrated unit malfunctions.

- 1) Measure the battery voltage and check electrolyte.

##### **Standard voltage: 12 V or more**

##### **Specific gravity: Above 1.260**

- 2) Check the fuse condition. (Includes the backup fuse.)

Make sure that ampere of the fuse is setting value, and it is not blown out.

- 3) Check the connecting condition of harness and harness connector.

4) Confirm that a setting that does not match the vehicle equipment, is not set in the body integrated unit. <Ref. to LAN(diag)-19, REGISTRATION BODY INTEGRATED UNIT (EQUIPMENT SETTING), OPERATION, Subaru Select Monitor.>

5) Make sure that a setting that does not match the vehicle equipment, is not set in the function setting (ECM customizing) of the body integrated unit. <Ref. to LAN(diag)-21, FUNCTION SETTING (ECM CUSTOMIZING), OPERATION, Subaru Select Monitor.>

6) Confirm “Factory or Market setting” of body integrated unit registrations is “Market”.

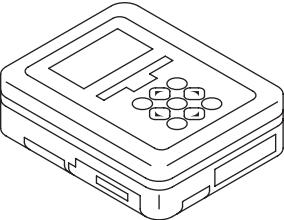
7) Confirm key illumination does not blink with ignition switch turned to ON.

# General Description

LAN SYSTEM (DIAGNOSTICS)

## C: PREPARATION TOOL

### 1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B022XU0	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for troubleshooting the electrical system.

### 2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.